

ARGONNE  
NATIONAL  
LABORATORY

INTRA-LABORATORY MEMO

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February 25, 2005

To: Patricia B. Fernandez, AOD Experiment Operations Support Group Leader  
From: Mark Beno  
Subject: Clarification of final approval for beamline critical components

I would like to clarify the intent of the memo from the XFD Division Director as to the final approval for work on beamline and front-end Critical components.

The Radiation Safety System policy outlines the risk categories and approval levels commensurate with each level of risk. Most of the work on front-end and beamline critical components, which involves testing, maintenance, and one-for-one replacement of existing components is considered to be in the LOW risk category. For work on LOW risk work radiation systems approval on the DDD/ADD level is not required for the work to start or for close out. Work on systems which is considered MEDIUM risk requires DDD/ADD approval to start work but not for close out. Lastly, HIGH risk work requires DDD/ADD approval both to start and close out the work. Assessment of the risk levels for beamline and front-end components is in progress but the definition of LOW risk work as testing, maintenance, and one-for-one replacement of existing components can be used as a guide for when DDD/ADD approval is required. Some examples of activities considered LOW risk would be: routine PSS related issues such as annual PSS validation, replacement of equipment to monitor water flow on critical components, and swapping out of electronics components. Until the risk matrix is finalized I would ask the members of your group err on the side of caution when deciding if approval at the DDD/ADD level is required. Mohan Ramanathan as CCSM can also be consulted as to the level of risk associated with front-end and beamline components. It should be clear to everyone that shutters and masks are HIGH risk components and DDD/ADD signoff of start and close out for work on these components is required.

cc M. Ramanathan